

ABSTRACT

A bioactive glass composition which contains SiO_2 , Na_2O , CaO , K_2O , MgO , P_2O_5 and B_2O_3 . The amount of SiO_2 is 51-56 wt-% of the starting oxides, Na_2O is 6-9 wt-% of the starting oxides, CaO is 21-23 wt-% of the starting oxides, K_2O is 10-12 wt-% of the starting oxides, MgO is 1-4 wt-% of the starting oxides, P_2O_5 is 0.5-1.5 wt-% of the starting oxides, B_2O_3 is 0-1 wt-% of the starting oxides, provided that the total amount of Na_2O and K_2O is 17-20 wt-% of the starting oxides. Also disclosed is the manufacture and use of the bioactive glass composition.